

CLAIM LISTING

The following claim listing will replace all prior versions of the claims in the application:

1. (Currently Amended) A system for providing a simultaneous ring service for a subscriber, the system comprising:

~~a means for detecting a first terminating trigger specific to the service in response to an incoming communication to a wired terminal having a first identifier and associated with the subscriber from a calling party, wherein the first terminating trigger is associated with the first identifier;~~

a means for~~[:]~~ determining, in response to ~~a detection of~~ detecting the an incoming communication intended for a wired terminal, if a simultaneous ring service is available, wherein the determining comprises:

~~first terminating trigger, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein determining whether the wired terminal and the wireless terminal of the subscriber are available comprises,~~

~~determining whether~~if the wired terminal is available~~[[,]]~~;

~~determining whether the~~if a wireless terminal associated with the wired terminal is available, and, if so, determining whether~~if~~ the wireless terminal is associated with~~[[has]]~~ a voice messaging system ~~in response to determining that the wireless terminal is available;~~

~~determining if a calling party number associated with the calling party from which the incoming communication is received matches a stored subscriber wireless number associated with the wireless terminal, wherein the wireless terminal is determined to be available if the calling party number does not match the wireless number; and~~
~~if the calling party number matches the subscriber wireless number the wireless terminal is deemed unavailable and if the calling party number does not match the wireless number the wireless terminal is deemed available, and~~

determining if the subscriber currently has the simultaneous ring service associated with the wired terminal and the wireless terminal is activated, wherein the wireless terminal is determined to be available if the simultaneous ring service is activated; and
~~if the service is not currently activated, the wireless terminal is deemed unavailable and if the service is currently activated, the wireless terminal is deemed available; and~~

a means for placing a first outgoing communication and a second outgoing communication, if the simultaneous ring service is determined to be available in response to a determination that both the wired terminal and the wireless terminal are available, wherein:

the first outgoing communication is routed to the wireless terminal based, at least in part, upon recognition of ~~comprises a wireless call indication digit appended to a telephone number used to route the first outgoing communication to the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal, wherein the second identifier is not available to the means for placing the first outgoing communication and the second outgoing communication, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier; and~~

~~wherein the means for detecting the first terminating trigger associated with the service is further operative for routing the second outgoing communication is routed to the wired terminal and for detecting a second terminating trigger associated with the wireless terminal in response to the first outgoing communication, and wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available, in response to a detection of the second terminating trigger and the wireless call indication digit associated with the first outgoing communication, is~~

~~further operative for interrogating the associated database for the second identifier associated with the wireless terminal and causing the first outgoing communication to be routed to the wireless terminal, wherein the second outgoing communication is configured to be placed a predetermined time period after placing the first outgoing communication is placed, and wherein, if the wireless terminal is determined to have the voice messaging system, the second outgoing communication is configured to be placed before the first outgoing communication is answered by the voice messaging system associated with the wireless terminal.~~

2. (Previously Presented) The system of claim 1, wherein the means for placing the first outgoing communication and the second outgoing communication is further operative for:

connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and

connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the wired terminal.

3. (Previously Presented) The system of claim 2, wherein the means for placing the first outgoing communication and the second outgoing communication is further operative for:

dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and

dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

4. (Currently Amended) The system of claim 3, wherein the means for determining if a simultaneous ring service is available~~whether the wired terminal and the associated wireless terminal of the subscriber are available~~ includes the

an associated database for storing ~~[[the]]~~an second identifier associated with the wireless terminal.

5. (Cancelled)

6. (Currently Amended) The system of claim 1, wherein the means for determining if a simultaneous ring service is available~~whether the wired terminal and the associated wireless terminal of the subscriber are available~~ is comprises means for determining whether the wired terminal is available by sending a query message to ~~the means for detecting the first terminating trigger associated with the service request~~[[ing]] a status of the wired terminal.

7. (Currently Amended) The system of claim 6, wherein the means for determining ~~whether the wired terminal and the associated wireless terminal of the subscriber are available~~ is if a simultaneous ring service is available further comprises means operative for determining whether the wireless terminal is available by sending a query message to a home location register requesting the status of the wireless terminal.

8. (Currently Amended) The system of claim 7, wherein the means for determining ~~whether the wired terminal and the associated wireless terminal of the subscriber are available~~ is if a simultaneous ring service is available further comprises means operative for determining that the wireless terminal is available when the home location register does not respond to the query message within a predetermined time period.

9. (Currently Amended) The system of claim 1, wherein the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available ~~is if a simultaneous ring service is available~~ further operative comprises means for instructing the means for detecting the first terminating trigger associated with the service to rout[[e]]ing the incoming communication to the wired terminal when the means for determining whether the wired terminal and the associated wireless terminal of the subscriber are available if a simultaneous ring service is available determines that at least one of the wired terminal and the wireless terminal are not available.

10. (Currently Amended) A method for providing a simultaneous ring service for a subscriber, the method comprising:

~~detecting an incoming communication from a calling party to a wired terminal associated with a first identifier that is associated with the subscriber from a first terminating trigger associated with the first identifier;~~

~~determining, in response to a detection of the~~detecting an incoming communication intended for a wired terminal, if a simultaneous ring service is available, wherein the determining, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein determining whether the wired terminal and the wireless terminal of the subscriber are available
comprises[[:]]:

~~determining whether~~if the wired terminal is available[[:]]:

~~determining whether the~~if a wireless terminal associated with the wired terminal is available, and, if so, determining whetherif the wireless terminal is associated with[[:has]] a voice messaging system ~~in response to determining that the wireless terminal is available;~~

~~determining if a calling party number associated with the calling party from which the incoming communication is received matches a subscriber wireless number associated with the wireless terminal, wherein the wireless a directory number for the wireless terminal is stored at a service control point; and~~

~~determining if a simultaneous ring service associated with the wired terminal and the wireless terminal is the subscriber currently has the simultaneous ring service activated, wherein the wireless terminal is determined to be unavailable if the simultaneous ring server is not activated;~~

~~placing a first outgoing communication and a second outgoing communication, if the simultaneous ring service is determined to be when both the wired terminal and the wireless terminal are available, wherein;~~

~~the first outgoing communication is routed to the wireless terminal based, at least in part, upon recognition of~~ comprises a wireless call

~~indication digit appended to a telephone number used to route the first outgoing communication amended to the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal, wherein the second identifier is not initially available, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier; and~~

~~the second outgoing communication is routed to the wired terminal and is placed wherein placing the first and second outgoing communications includes placing the first outgoing communication a predetermined time period before after placing the second first outgoing communication, and~~

~~wherein, if the wireless terminal is determined to have the voice messaging system, the predetermined time period is configured for placing the second outgoing communication before the first outgoing communication is answered by the voice messaging system;~~

~~—— routing the second outgoing communication to the wired terminal;~~

~~detecting a second terminating trigger and the wireless call indication digit associated with the wireless terminal in response to the first outgoing communication; and~~

~~—— routing, in response to a detection of the second terminating trigger, the first communication to the wireless terminal.~~

11. (Previously Presented) The method of claim 10, further comprising:
 - connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and
 - connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the landline telecommunications unit.

12. (Previously Presented) The method of claim 11, further comprising:
dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and
dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

13. (Cancelled)

14. (Currently Amended) The method of claim 10, wherein determining ~~whether the wired terminal~~ if a simultaneous ring service is available ~~includes~~ comprises sending a query message requesting a status of the wired terminal.

15. (Currently Amended) The method of claim 14, wherein determining ~~whether the wired terminal~~ if a simultaneous ring service is available ~~includes~~ comprises sending a query message to a home location register requesting a status of the wireless terminal.

16. (Currently Amended) The method of claim 15, wherein determining ~~whether the wired terminal~~ if a simultaneous ring service is available ~~includes~~ comprises determining that the wireless terminal is available when the home location register does not respond to the query message within a predetermined time period.

17. (Previously Presented) The method of claim 10, further comprising routing the incoming communication to the wired terminal when it is determined that at least one of the wired terminal and the wireless terminal are not available.

18. (Currently Amended) A system for providing a simultaneous ring service for a subscriber, comprising:

~~means for detecting an incoming communication from a calling party using a calling party terminal to a wired terminal associated with a first identifier that is associated with the subscriber from a first terminating trigger associated with the first identifier;~~

~~a means for determining if the subscriber currently has the simultaneous ring service activated;~~

~~means for determining, in response to [[a]]detect[[ion]]ing of thean incoming communication intended for a, whether the wired terminal, if a simultaneous ring service is available, wherein the means for determining further and an associated wireless terminal of the subscriber are available, wherein the means for determining whether the wired terminal and the wireless terminal of the subscriber are available comprises:~~

~~means for determining whetherif the wired terminal is available[[.]];~~

~~means for determining whether theif a wireless terminal associated with the wired terminal is available, and, if so, if means for determining whether the wireless terminal is associated with[[has]] a voice messaging system in response to determining that the wireless terminal is available; and~~

~~means for determining, in response to detection of the incoming communication, whether an identifier associated with theif a calling party from whom the incoming communication is received correspondsis identical to an identifier of the wireless terminal of the subscriber, the wireless terminal being associated with the wired terminal configured to receive the incoming communication from the calling party wherein the wireless terminal and the calling party terminal are the same terminal when the identifier associated with the calling party is identical to the identifier of the wireless terminal, wherein the identifier of the wireless~~

terminal of the subscriber ~~[[is]]being~~ stored in a service control point, wherein ~~if~~~~[[when]]~~ the identifier associated with the calling party does not match the identifier of the wireless terminal, the wireless terminal is ~~deemed~~determined to be available; and

means for placing a first outgoing communication and a second outgoing communication ~~when both the wired terminal and the wireless terminal are available~~ if the simultaneous ring service is determined to be available, wherein:

the first outgoing communication is routed to the wireless terminal based, at least in part, upon recognition of ~~comprises a wireless call indication digit appended to a telephone number used to route the first outgoing communication~~ the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal, wherein the second identifier is not available to the means for placing the first outgoing communication and the second outgoing communication, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier; and

~~wherein, if the wireless terminal is determined to have the voice messaging system, a predetermined time period is configured for placing~~

the second outgoing communication is routed to the wired terminal, and is placed before the first outgoing communication is answered by the voice messaging system associated with the wireless terminal;

~~means for routing the second outgoing communication to the wired terminal; means for detecting a second terminating trigger and the wireless call indication digit associated with the wireless terminal in response to the first outgoing communication; and~~

~~the means for routing, in response to a detection of the second terminating trigger and the wireless call indication digit, further operative for routing the first communication to the wireless terminal.~~

19. (Currently Amended) The system of claim 18, wherein the means for placing first and second outgoing communications further ~~includes~~comprises:
means for connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and
means for connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the wired terminal.

20. (Currently Amended) The system of claim 19, wherein the means for placing the first outgoing communication and the second outgoing communication further ~~includes~~comprises:
means for dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and
means for dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

21. (Cancelled)

22. (Currently Amended) The system of claim 18, wherein the means for determining whether the wired terminal is available further ~~includes~~comprises
means for sending a query message requesting a status of the wired terminal.

23. (Currently Amended) The system of claim 22, wherein the means for determining whether the wireless terminal is available further ~~includes~~comprises
means for sending a query message to a home location register requesting a status of the wireless terminal.

24. (Currently Amended) The system of claim 23, wherein the means for determining whether the wireless terminal is available further ~~includes~~comprises means for determining that the wireless terminal is available when the home location register does not respond to the query message within a predetermined time period.

25. (Previously Presented) The system of claim 18, further comprising means for routing the incoming communication to the wired terminal when it is determined that at least one of the wired terminal and the wireless terminal are not available.

26. (Currently Amended) A computer readable medium having stored thereon comprising computer-executable instructions, the execution of which ~~caus[ing]~~ e a computer to perform a method of providing a simultaneous ring service for a subscriber, the method comprising:

~~detecting an incoming communication from a calling party to a wired terminal associated with a first identifier that is associated with the subscriber from a first terminating trigger associated with the first identifier;~~

determining, in response to ~~[[a]]detect[ion]]ing of thean~~ incoming communication intended for a wired terminal, if a simultaneous ring service is available, wherein the determining, whether the wired terminal and an associated wireless terminal of the subscriber are available, wherein determining whether the wired terminal and the wireless terminal of the subscriber are available comprises~~[[,]]~~:

~~determining whetherif~~ the wired terminal is available~~[[,]]~~;

~~determining whether theif~~ a wireless terminal associated with the wired terminal is available, and, if so, determining whetherif the wireless terminal is associated with ~~[[has]]~~ a voice messaging system ~~in response to determining that the wireless terminal is available;~~

determining if a calling party number associated with the calling party from which the incoming communication is received matches a subscriber wireless number associated with the wireless terminal, wherein the wireless numbera directory number for the wireless terminal is stored at a service control point, wherein the wireless terminal is determined to be available if the calling party does not match the wireless number; and

determining if ~~the subscriber currently has thea~~ simultaneous ring service associated with the wired terminal and the wireless terminal is activated, wherein the wireless terminal is determined to be available if the simultaneous ring service is activated;

placing a first outgoing communication and a second outgoing communication if the simultaneous ring service is determined to be when both the wired terminal and the wireless terminal are available, wherein:

the first outgoing communication is routed to the wireless terminal based, at least in part, upon recognition of comprises a wireless call indication digit appended to a telephone number used to route the first outgoing communication amended to the first identifier, the wireless call indication digit indicating that the first outgoing call is to be routed via a second identifier associated with the wireless terminal, wherein the second identifier is not initially available, and wherein the wireless call indication digit is operative to trigger a query to an associated database for the second identifier; and

the second outgoing communication is routed to the wired terminal and is placed wherein placing the first and second outgoing communications includes placing the first outgoing communication a predetermined time period before after placing the second first outgoing communication, wherein:

the predetermined time period is configured to cause the wired terminal and the wireless terminal to begin ringing within 3 seconds of each other[[]]; and

wherein, if the wireless terminal is determined to have the voice messaging system, the predetermined time period is configured for placing the second outgoing communication before the first outgoing communication is answered by the voice messaging system[[]]

routing the second outgoing communication to the wired terminal;

~~detecting a second terminating trigger and the wireless call indication digit associated with the wireless terminal in response to the first outgoing communication; and~~

~~routing, in response to detection of the second terminating trigger and the wireless call indication digit, the first communication to the wireless terminal.~~

27. (Currently Amended) The computer readable medium of claim 26, wherein the computer-executable instructions further comprise computer-executable instructions, the execution of which cause a computer to perform the method further comprising:

connecting the incoming communication to the wired terminal when the wired terminal is answered before the wireless terminal; and

connecting the incoming communication to the wireless terminal when the wireless terminal is answered before the wired terminal.

28. (Currently Amended) The computer readable medium of claim 27, wherein the computer-executable instructions further comprise computer-executable instructions, the execution of which cause a computer to perform the method further comprising:

dropping the first outgoing communication when the wired terminal is answered before the wireless terminal; and

dropping the second outgoing communication when the wireless terminal is answered before the wired terminal.

29-33. (Cancelled)

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